

1600

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DATE: 03/31/2004
                    RAW SEQUENCE LISTING
                    PATENT APPLICATION: US/09/660,302D
                                                          TIME: 14:25:12
                    Input Set : A:\PTO.YF.txt
                    Output Set: N:\CRF4\03312004\I660302D.raw
     1 <110> APPLICANT: Universiteit Utrecht
          Strous, Gerardus
             Van Kerkhof, Petrus
            Govers, Roland
     6 <120> TITLE OF INVENTION: CONTROLLING AVAILABILITY OR ACTIVITY OF PROTEINS BY USE OF
PROTEASE
             INHIBITORS OR RECEPTOR FRAGMENTS
     9 <130> FILE REFERENCE: 2183-4525US
    11 <140> CURRENT APPLICATION NUMBER: 09/660,302D
    12 <141> CURRENT FILING DATE: 2000-09-1
    14 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00136
    15 <151> PRIOR FILING DATE: 1999-03-12
    17 <150> PRIOR APPLICATION NUMBER: EP98200799.9
    18 <151> PRIOR FILING DATE: 1998-03-12
    20 <160> NUMBER OF SEQ ID NOS: 51
    22 <170> SOFTWARE: PatentIn version 3.0
                                                         ENTERED
    24 <210> SEQ ID NO: 1
    25 <211> LENGTH: 8
    26 <212> TYPE: PRT
    27 <213> ORGANISM: Unknown
    29 <220> FEATURE:
    30 <221> NAME/KEY: BINDING
    31 <222> LOCATION: (1)..(8)
    32 <223> OTHER INFORMATION: synthetic peptide, Binding polypeptide motif
    34 <220> FEATURE:
    35 <221> NAME/KEY: UNSURE
    36 <222> LOCATION: (1)..(1)
    37 <223> OTHER INFORMATION: Xaa may be any amino acid
    39 <220> FEATURE:
    40 <221> NAME/KEY: UNSURE
    41 <222> LOCATION: (2)..(2)
    42 <223> OTHER INFORMATION: Xaa is E, but may be replaced by D
    44 <220> FEATURE:
    45 <221> NAME/KEY: UNSURE
    46 <222> LOCATION: (3)..(3)
    47 <223> OTHER INFORMATION: Xaa is F, but may be replaced by Y
    49 <220> FEATURE:
    50 <221> NAME/KEY: UNSURE
    51 <222> LOCATION: (4)..(4)
    52 <223> OTHER INFORMATION: Xaa is I, but may be replaced by L, V or F
    54 <220> FEATURE:
    55 <221> NAME/KEY: UNSURE
    56 <222> LOCATION: (5)..(5)
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57 <223> OTHER INFORMATION: Xaa may be any amino acid

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                     Input Set : A:\PTO.YF.txt
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     59 <220> FEATURE:
     60 <221> NAME/KEY: UNSURE
     61 <222> LOCATION: (6)..(6)
     62 <223> OTHER INFORMATION: Xaa may be any amino acid
     64 <220> FEATURE:
     65 <221> NAME/KEY: UNSURE
     66 <222> LOCATION: (7)..(7)
     67 <223> OTHER INFORMATION: Xaa is D, but may be replaced by E
     69 <220> FEATURE:
     70 <221> NAME/KEY: UNSURE
     71 <222> LOCATION: (8)..(8)
     72 <223> OTHER INFORMATION: Xaa may be any amino acid
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W--> 75 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     76 1
     78 <210> SEQ ID NO: 2
     79 <211> LENGTH: 12
     80 <212> TYPE: PRT
     81 <213> ORGANISM: Unknown
     83 <220> FEATURE:
     84 <223> OTHER INFORMATION: Unsure, Growth hormone receptor binding motif, Binds to
hormone receptor
    85
              and ubiquitin
     87 <400> SEQUENCE: 2
     88 Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
     89 1
     91 <210> SEQ ID NO: 3
     92 <211> LENGTH: 10
     93 <212> TYPE: PRT
     94 <213> ORGANISM: Unknown
     96 <220> FEATURE:
     97 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Binds to hormone
receptor and
     98
             ubiquitin
     100 <400> SEQUENCE: 3
     101 Asp Ser Trp Val Glu Phe Ile Glu Leu Asp
     102 1
     104 <210> SEQ ID NO: 4
     105 <211> LENGTH: 129
     106 <212> TYPE: PRT
     107 <213> ORGANISM: Unknown
     109 <220> FEATURE:
     110 <223> OTHER INFORMATION: Unsure, Growth hormone receptor motif, Up-regulates GH
activity
    112 <400> SEQUENCE: 4
     113 Ser Lys Gln Gln Arg Ile Lys Met Leu Ile Leu Pro Pro Val Pro Val
    114 1
     115 Pro Lys Ile Lys Gly Ile Asp Pro Asp Leu Leu Lys Glu Gly Lys Leu
                                         25 .
                     20
    117 Glu Glu Val Asn Thr Ile Leu Ala Ile His Asp Ser Tyr Lys Pro Glu
                                     40
    119 Phe His Ser Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile Asp
```

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PATENT APPLICATION: US/09/660,302D
                                                             TIME: 14:25:12
                     Input Set : A:\PTO.YF.txt
                     Output Set: N:\CRF4\03312004\1660302D.raw
             50
                                                     60
     120
     121 Glu Pro Asp Glu Lys Thr Glu Glu Ser Asp Thr Asp Leu Leu Ser Ser
                             70
     123 Asp His Glu Lys Ser His Ser Asn Leu Gly Val Lys Asp Gly Asp Ser
    124
                                             90
     125 Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu Glu Thr Asp Phe Asn
                     100
                                         105
     127 Ala Asn Asp Ile His Glu Gly Thr Ser Glu Val Ala Gln Pro Gln Arg
                                     120
     128
                115
     129 Leu
     131 <210> SEQ ID NO: 5
     132 <211> LENGTH: 38
     133 <212> TYPE: PRT
     134 <213> ORGANISM: Unknown
     136 <220> FEATURE:
     137 <223> OTHER INFORMATION: Unsure, Derived from protein receptor, Up-regulates GH
activity
     139 <400> SEQUENCE: 5
     140 Lys Asp Gly Asp Ser Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu
                                             10
     142 Glu Thr Asp Phe Asn Ala Asn Phe Ile His Glu Gly Thr Ser Glu Val
                     20
                                         25
     144 Ala Gln Pro Gln Arg Leu
     145
                 35
     147 <210> SEQ ID NO: 6
     148 <211> LENGTH: 10
     149 <212> TYPE: PRT
     150 <213> ORGANISM: Unknown
     152 <220> FEATURE:
     153 <223> OTHER INFORMATION: Unsure, Glut4 Ins-regulated glucose transporter binding
motif, Binds to
               ubiquitin/proteasome system binding site
     154
     156 <400> SEQUENCE: 6
    157 Thr Glu Leu Glu Tyr Leu Gly Pro Asp Glu
     158 1
     160 <210> SEQ ID NO: 7
     161 <211> LENGTH: 7
     162 <212> TYPE: PRT
     163 <213> ORGANISM: Unknown
     165 <220> FEATURE:
     166 <223> OTHER INFORMATION: Unsure, Binding poly-peptide motif, Binds to
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            binding site
    167 .
    169 <400> SEQUENCE: 7
     170 Cys Glu Glu Asp Phe Tyr Arg
     171 1
     173 <210> SEQ ID NO: 8
     174 <211> LENGTH: 10
     175 <212> TYPE: PRT
     176 <213> ORGANISM: Homo sapiens (human) or Lepus unknown species (rabbit)
     178 <220> FEATURE:
     179 <223> OTHER INFORMATION: GHR sequence
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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/660,302D
                                                             TIME: 14:25:12
                     Input Set : A:\PTO.YF.txt
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     181 <400> SEOUENCE: 8
     182 Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
     183 1
     185 <210> SEQ ID NO: 9
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     187 <212> TYPE: PRT
     188 <213> ORGANISM: Gallus gallus (chicken)
     190 <220> FEATURE:
     191 <223> OTHER INFORMATION: GHR
     193 <400> SEQUENCE: 9
     194 Leu Trp Val Glu Phe Ile Glu Leu Asp Ile
     195 1
                        5
     197 <210> SEQ ID NO: 10
     198 <211> LENGTH: 10
     199 <212> TYPE: PRT
     200 <213> ORGANISM: Homo sapiens (human)
     202 <220> FEATURE:
     203 <223> OTHER INFORMATION: prolactin receptor
     205 <400> SEQUENCE: 10
     206 Leu Leu Val Glu Tyr Leu Glu Val Asp Asp
     207 1
                       5
     209 <210> SEQ ID NO: 11
     210 <211> LENGTH: 10
     211 <212> TYPE: PRT
     212 <213> ORGANISM: Mus musculus (mouse), Lepus unknown species (rabbit), or Rattus
unknown
W--> 213 species (rat)
     215 <220> FEATURE:
     216 <223> OTHER INFORMATION: prolactin receptor
     218 <400> SEQUENCE: 11
     219 Leu Leu Val Glu Phe Leu Glu Asn Asp Asp
     220 1
               5
                                             10
     222 <210> SEQ ID NO: 12
     223 <211> LENGTH: 10
     224 <212> TYPE: PRT
     225 <213> ORGANISM: Unknown
     227 <220> FEATURE:
     228 <223> OTHER INFORMATION: Unsure, vertebrate skeletal muscle
     230 <400> SEQUENCE: 12
     231 Asp Asn Val Asp Tyr Leu Thr Arg Asp Trp
     232 1
     234 <210> SEQ ID NO: 13
     235 <211> LENGTH: 10
     236 <212> TYPE: PRT
     237 <213> ORGANISM: Unknown
     239 <220> FEATURE:
     240 <223> OTHER INFORMATION: Unsure, FGF Receptor Family
     242 <400> SEQUENCE: 13
     243 Gln Ala Ala Glu Tyr Leu Arg Ser Glu Thr
     244 1
                         5
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RAW SEQUENCE LISTING

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/660,302D DATE: 03/31/2004 TIME: 14:25:12

Input Set : A:\PTO.YF.txt

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246 <210> SEQ ID NO: 14
247 <211> LENGTH: 10
248 <212> TYPE: PRT
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Unsure, Transmembrane receptor sex precursor
254 <400> SEQUENCE: 14
255 Ile Asp Ala Glu Tyr Ile Ser Ala Glu Arg
256 1
258 <210> SEQ ID NO: 15
259 <211> LENGTH: 10
260 <212> TYPE: PRT
261 <213> ORGANISM: Unknown
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Unsure, IgE Receptor
266 <400> SEQUENCE: 15
267 Leu Lys Gly Glu Phe Ile Trp Val Asp Gly
270 <210> SEQ ID NO: 16
271 <211> LENGTH: 10
272 <212> TYPE: PRT
273 <213> ORGANISM: Unknown
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Unsure, ANGIOTENSIN CONVERTING ENZYME
278 <400> SEQUENCE: 16
279 Tyr Gly Ser Glu Tyr Ile Asn Leu Asp Gly
280 1.
                  5
282 <210> SEQ ID NO: 17
283 <211> LENGTH: 10
284 <212> TYPE: PRT
285 <213> ORGANISM: Unknown
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Unsure, POTASSIUM CHANNEL IRK
290 <400> SEQUENCE: 17
291 Ser Glu Gly Glu Tyr Ile Pro Leu Asp Gln
292 1
                    5
294 <210> SEO ID NO: 18
295 <211> LENGTH: 10
296 <212> TYPE: PRT
297 <213> ORGANISM: Unknown
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Unsure, PDGF RECEPTOR ALPHA-CHAIN
302 <400> SEQUENCE: 18
303 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
304 1
                                        10
306 <210> SEQ ID NO: 19
307 <211> LENGTH: 10
308 <212> TYPE: PRT
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309 <213> ORGANISM: Unknown

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: . US/09/660,302D

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,1,8 Seq#:50; Xaa Pos. 4

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 84 Seq#:7; Line(s) 166

VERIFICATION SUMMARY

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Input Set : A:\PTO.YF.txt

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L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0 L:213 M:259 W: Allowed number of lines exceeded, <213> ORGANISM: L:322 M:259 W: Allowed number of lines exceeded, <213> ORGANISM: L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0